Amendments to the Claims:

The following listing of claims will replace all prior versions, and listings, of claims in the application:

1.   (Currently Amended) A method of entering input into a computing system, the method comprising the following steps:

detecting one or multiple input movements using a sensing panel associated with the computing system;

classifying each detected input movement as being of a particular type;

translating each input movement to an instruction signal by consulting a knowledge database; and

transmitting the instruction signal to the computing system;

wherein translation of a detected input movement to an instruction signal involves a main process and one or more sub-processes, wherein each sub-process is invoked by the main process in response to a particular type of detected input ~~movement.~~movement, and

the whole sensing panel functions as a single sensing area and the main process and one or more sub-processes can be invoked regardless of the location of the detected input movement on the sensing panel.

2.   (Canceled)

3   (Previously Presented) A method of entering input into a computing system according to claim 1, wherein each particular type of input movement is associated with operation of the sensing panel in any one of the following modes:

(a)   keyboard modes;

(b)   mouse modes;

(c)   scripting modes;

(d)   device modes;

(e)   customer modes; and

(f)   idle mode.

4.   (Previously Presented) A method of entering input into a computing system according to claim 1, wherein the main process manages the one or more sub-processes by assigning a priority value to each sub process such that a sub process having a minor priority value does not impede a sub process having a major priority value.

5.   (Previously Presented) A method of entering input into a computing system according to claim 29, wherein each invoked sub process claims a region of the sensing panel such that any input movements received via the claimed region of the sensing panel will be translated by the sub process having claimed the region.

6.   (Previously Presented) A method of entering input into a computing system according to claim 5, wherein inputs received via a region having been claimed by a sub-process are translated only by the sub-process having claimed that region of the sensing panel, or by a sub-process having a higher priority value than the sub-process having claimed the region of the sensing panel.

7.   (Canceled)

8.   (Currently Amended) An input system for a computing system, the input system comprising:

a sensing panel including an array of sensors for detecting input movements;

a processor for classifying each detected input movement as being of a particular type and translating each input movement to an instruction signal for transmission to the computing system; and

a knowledge database for consultation by the processor to identify the instruction signal corresponding to the detected input movement;

wherein translation of a detected input movement to an instruction signal involves a main process and one or more sub-processes, wherein each sub-process is invoked by the main process in response to a particular type of detected input ~~movement.~~movement, and

the whole sensing panel functions as a single sensing area and the main process and one or more sub-processes can be invoked regardless of the location of the detected input movement on the sensing panel.

9.   (Canceled)

10.   (Previously Presented) An input system according to claim 8, wherein each particular type of input movement is associated with operation of the sensing panel in any one of the following modes:

        (a)   keyboard modes;

        (b)   mouse modes;

        (c)   scripting modes;

        (d)   device modes;

        (e)   customer modes; and

        (f)   idle mode.

11.   (Previously Presented) An input system according to claim 8, wherein the sensors for detecting input movements are light detecting sensors.

12.   (Previously Presented) An input system according to claim 11, wherein the sensors for detecting input movements are complementary metal oxide semiconductor sensors.

13.   (Canceled)

14.   (Previously Presented) An input system according to claim 8, further including a movement indicating device, wherein the input movements detected are the

movements of the movement indicating device, the movement of which across the surface of the panel indicates an instruction signal to move in the direction indicated with the movement indicating device.

15.   (Previously Presented) An input system according to claim 14, wherein an application of pressure to the movement indicating device causes an input movement which is interpreted by the processor as indicating an instruction signal to move downwards, and reducing the pressure applied to the movement indicating device causes an input movement which is interpreted by the processor as indicating an instruction signal to move upwards.

16.   (Previously Presented) An input system according to claim 14, wherein the amount of pressure being applied to the movement indicating device is detected by reference to the size of an area of contact between the fingers or movement indicating device and the surface of the panel, or by reference to change in size of an area of contact between the fingers or movement indicating device and the surface of the panel.

17-28. (Canceled)

29.   (Previously Presented) A method of entering input into a computing system according to claim 3, wherein the main process and one or more sub-processes together form a hierarchical control structure in which the main process determines whether an input movement corresponds to a prompt to invoke a particular mode, and where a particular mode is indicated, the main process invokes a sub-process in that mode.

30.   (Previously Presented) A method of entering input into a computing system according to claim 5, wherein once the claiming sub process is complete, the claimed region reverts to an unclaimed status.

31.   (Previously Presented) An input system according to claim 11, wherein the sensors detect light patterns which are transformed into images and an input movement is detected when a first image differs from a subsequently formed second image.

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32.   (Previously Presented) An input system according to claim 8, wherein the sensing panel further includes a display layer for guiding user input.

33.   (Previously Presented) An input system according to claim 8, wherein the knowledge database is dynamic to enable the association between an input movement and a corresponding instruction signal to be redefined to adapt the input system to preferences of an individual user.

34.   (Previously Presented) A computer-readable recording medium encoded with a computer program, the computer program for use in a system for entering input into a computing system, the system comprising a processor and associated memory device for storing the computer software including a series of instructions to cause the processor to carry out a method according to claim 1.

35.   (Previously Presented) An input device for use with a computing system for entering input into the computing system, the input device comprising a sensing panel and a transmission component for transmitting detected input movements to a processor to identify an instruction signal corresponding to the detected input movement in accordance with the method according to claim 1.